



SHR CoaXPress

shr461MCX

一般

型號	shr461MCX
產品編號	F004086
產品系列	SHR CoaXPress
狀態	Available

感測器

感測器類型	Area scan
色度	Mono
光譜	Visible
光譜範圍	400 nm to 1000 nm
解析度	11,648 × 8,742 (101.80 MP)
感測器型號	Sony IMX461
感測器架構 (材料)	cmos
快門類型	Rolling shutter (RS)
感測器尺寸	43.8 × 32.87 mm (54.76 mm, 55mm (Type 3.4))
像素大小	3.76 μ m × 3.76 μ m

像素格式

感測器位深	8-bit, 10-bit, 12-bit, 16-bit
單色像素格式	mono8, mono10, mono12, mono16

影像性能

動態範圍	81.3 dB
訊噪比	46.8 dB

時序與增益

最大影格率	8.7 fps
曝光時間	60 μ s to 60 s
增益	0.0 dB to 36.0 dB

I/O 與電源

非隔離線	0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 4 x Open drain output,
特定非隔離線	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
光隔離線	1 x Optical isolated input, 0 x Optical isolated input,
電源供應	10 to 25VDC, Power over CoaXPress
功耗	External: 14 W (typical)

操作條件

操作溫度 (機殼)	-10 °C to 70 °C
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機械特性

機殼尺寸 (長 x 寬 x 高 mm)	83 × 80 × 80
濾光片/保護玻璃	Borofloat B270i - AR coating
防護等級	IP30
鏡頭接口	M72x0.75
重量	580 g

板載記憶體與 FPGA

非揮發性記憶體 (Flash)	160 MByte
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介面

數位介面	cxp-6 with 4 connections
介面連接器	(Din1.0/2.3)

FW 功能 – 影像控制

曝光模式	manual, auto
增益模式	auto, manual
影像控制功能	roi, lut, mirror-image, dpc, shading-correction, ffc

FW 功能 – 相機控制

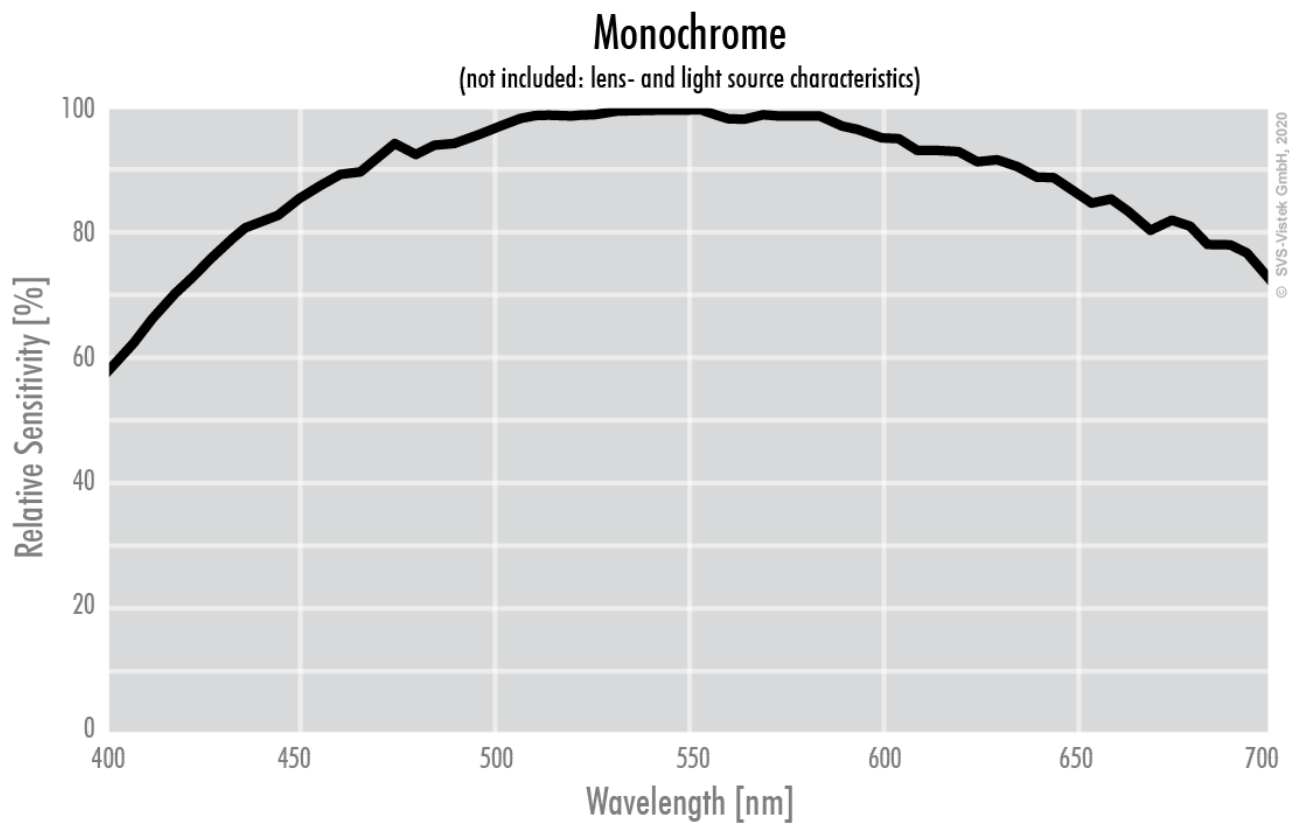
觸發模式/同步

internal, software, external

相機控制功能

PoCxP, User Sets, PWM(4), Sequencer,

量子效率



Technical drawing of the front view of a square mounting plate. The plate features a square outer frame with rounded corners and a central rectangular cutout. Four mounting holes are positioned at the corners, each marked with a star symbol. Dimension lines specify a total width of 72 mm (with a 46 mm inner width and 58 mm outer width) and a height of 35 mm. A central circular feature has a diameter of 77 mm. A screw specification $M72 \times 0,75$ with a downward arrow and 5,5 is indicated at the top right.

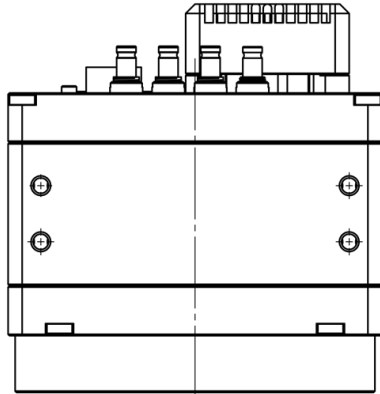
Technical drawing of the SVS-VISTEK SHR sensor section. The drawing shows a side view of the sensor assembly with various dimensions and labels.

Labels and dimensions:

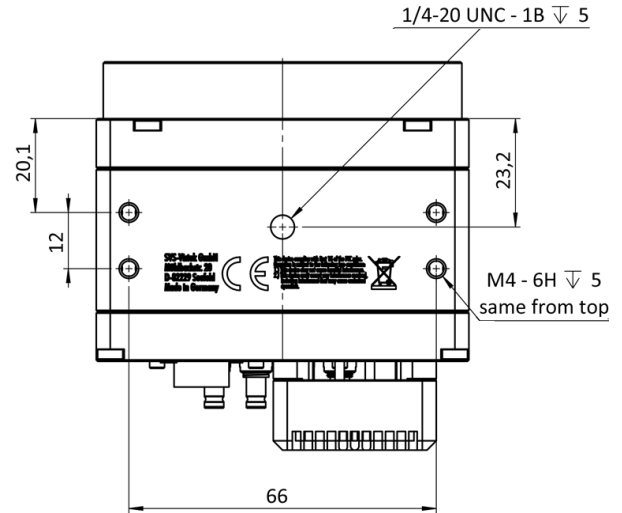
- 1 sensor cover glass
- 1 cover glass
- SVS-VISTEK SHR
- 83
- 74
- 69,5
- 64
- 53,3
- 22,7
- 12,1
- 0
- 19,55 optical distance
- 19,88 optical back focus incl. cover glass compensation
- 20,21 mechanical adjustment without compensation

Technical drawing of the SVS-VISTEK SHR unit. The drawing shows the front and side views. The front view features the text "SVS-VISTEK" and "SHR" in the center. Below the text, there are two circular mounting holes. The side view shows a connector on the right side. Dimensions are indicated: a horizontal distance of 20,1 from the left edge to the center of the mounting holes, and a horizontal distance of 12 from the center of the mounting holes to the right edge. A note indicates "M4 - 6H ∇ 5 same from left".

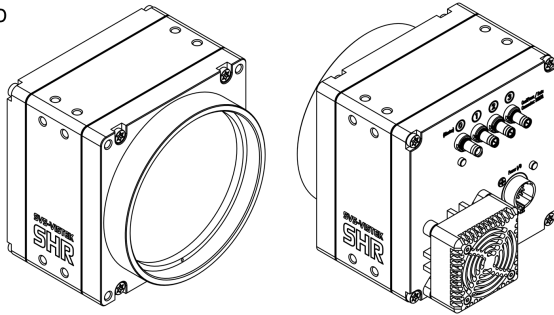
top



bottom

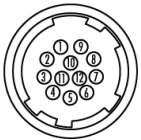


3D



I/O 引脚分配

Hirose 12 Pin



1	VIN -	(GND)	7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)	8	OUT 2	(open drain)
3	IN 4	(RXD RS232)	9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)	10	IN 3 -	(opto In -)
5	IN 1	(0-24V)	11	OUT 3	(open drain)
6	IN 2	(0-24V)	12	OUT 0	(open drain)